



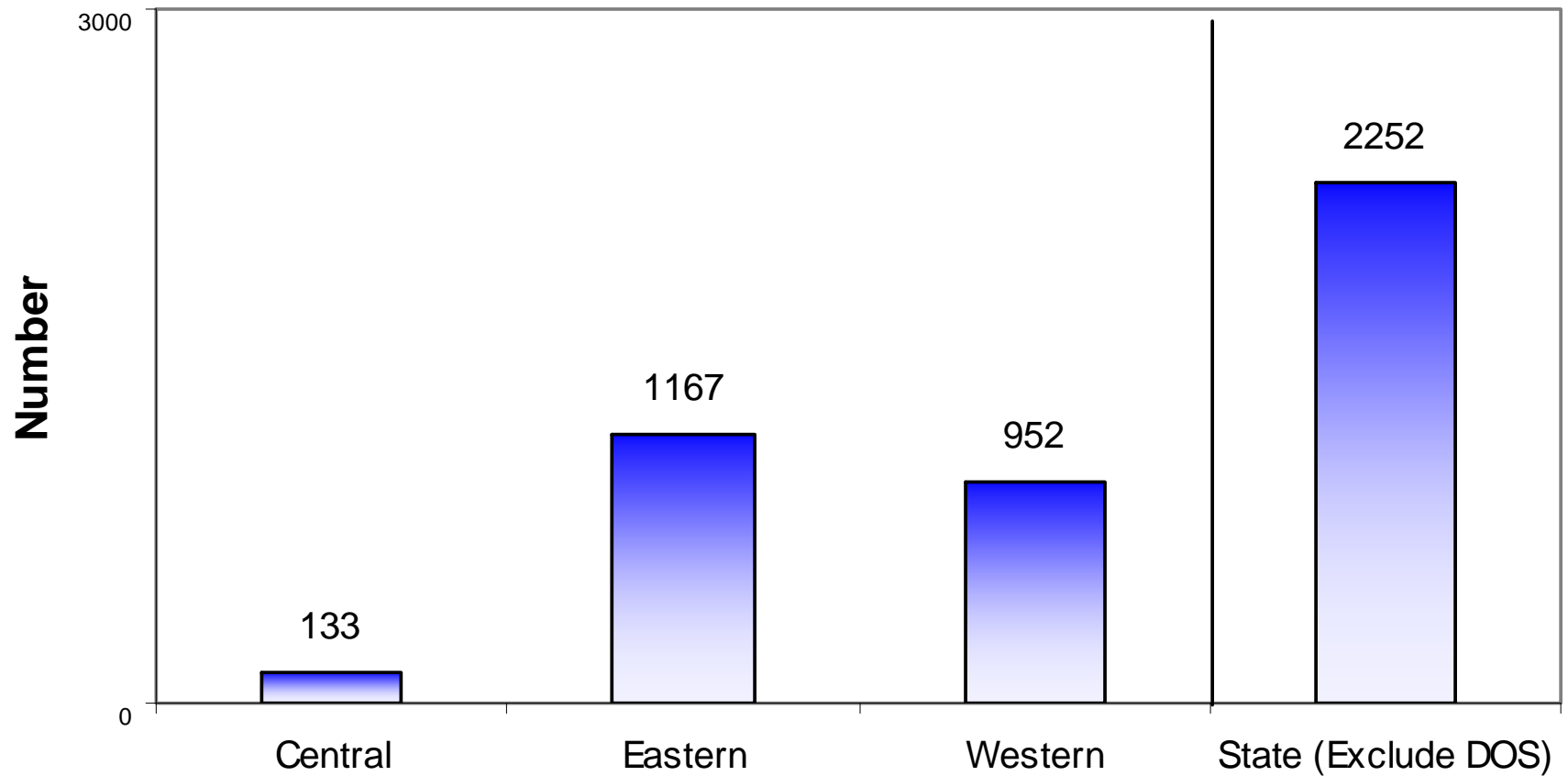
State Trauma Care Committee Report

January 1 – June 30, 2008

N = 474

MT STCC 1st , 2nd Qtrs 2008

Total Patients



N = 474

MT STCC 1st and 2nd Qtrs 2008



Central Region Facilities

Fort Benton - Missouri River Medical Center	1
Big Sandy - Big Sandy Medical Center	1
Choteau - Teton Medical Center MAF	1
Conrad - Pondera Medical Center	4
Chester - Liberty County Hospital	2
Great Falls- Benefis Health Care	1
Helena - St. Peter's Hospital	18
	28

Eastern Region Facilities

Livingston Memorial Hospital	10
Sheridan - Ruby Valley Memorial	1
Harlowton - Wheatland Memorial Hospital	1
Malta - Phillips County Medical Center	1
Red Lodge - Beartooth Hospital & Health Center	3
Wolf Point - Northeast Montana Health Services	9
Poplar - Northeast Montana Health Services	10
Big Timber - Sweet Grass Community Hospital	7
Hardin - Big Horn County Memorial Hospital	3
Crow Agency - IHS Hospital	24
Billings - Deaconess - Billings Clinic	110
Billings - Saint Vincent Hospital & Health Center	122
	301



Western Region Facilities

Polson - St. Joseph Hospital	4
Anaconda - Community Hospital of Anaconda	4
Dillon - Barrett Hospital	7
Superior - Mineral County Hospital	12
Deer Lodge - Powell County Memorial Hospital	10
Kalispell Regional Hospital	71
Missoula - Community Medical Center	5
Butte - St. James Community Hospital	28
Missoula - St. Patrick Hospital	4
	145

Data Missing

Central: Benefis

Submitted after Reports run;

Central: 3- WSS 5- Ft Benton

4- Townsend 3- Chester

Eastern: 3- Hardin 7- Colstrip

4- Big Timber 6- Ennis

2- Harlowton 4- Red Lodge

1- Poplar 1- Roundup

1- Lame Deer



Cases Submitted after Reports run

Western: 8- Superior
 8- Plains
 10- Anaconda



Additional Registry Facilities

- Daniels Memorial, Scobey
- Roosevelt Medical Center, Culbertson
- Granite County, Phillipsburg
- McCone County, Circle
- Central Montana Medical, Lewistown
- Ruby Valley, Sheridan



Additional Registry Facilities

- Prairie Community, Terry
- Madison Valley, Ennis
- Fallon Medical Center, Baker
- Powder River, Broadus
- Dahl Memorial, Ekalaka
- Northern Rockies, Cutbank
- Rosebud Health Center, Forsyth
- Holy Rosary, Miles City

Patient YTD Demographics

76% ages 10-64 5% < 10 18% ≥ 65

77% White 17% Native 5% Other & ND

62% Male 38% Female

2007 Patient YTD Demographics

91% Blunt 7% Penetrating

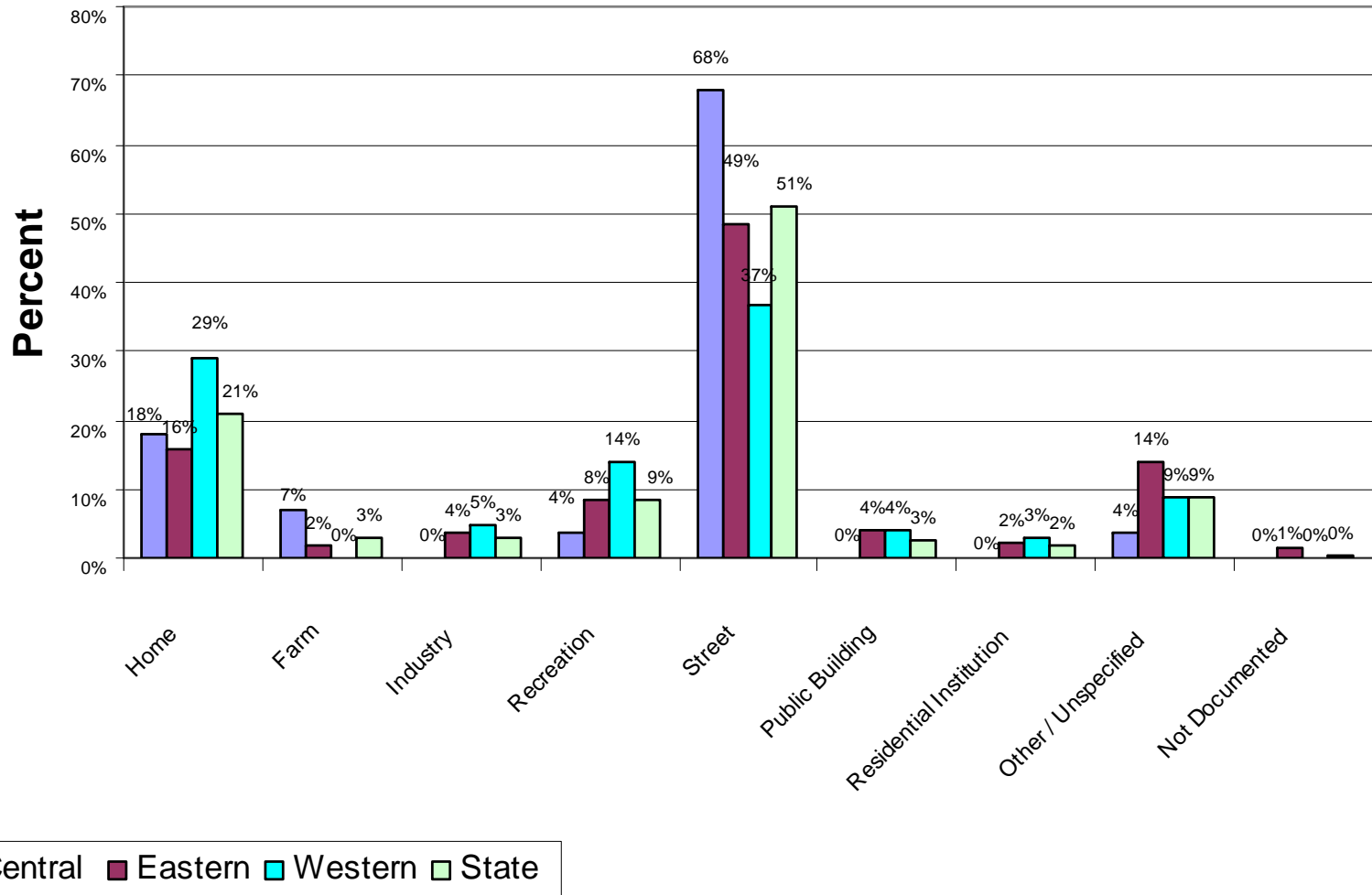
44% MVC 28% Falls

4% MC 2% Horse

7% Assault 2% Pedestrian

<1 % Bicycle

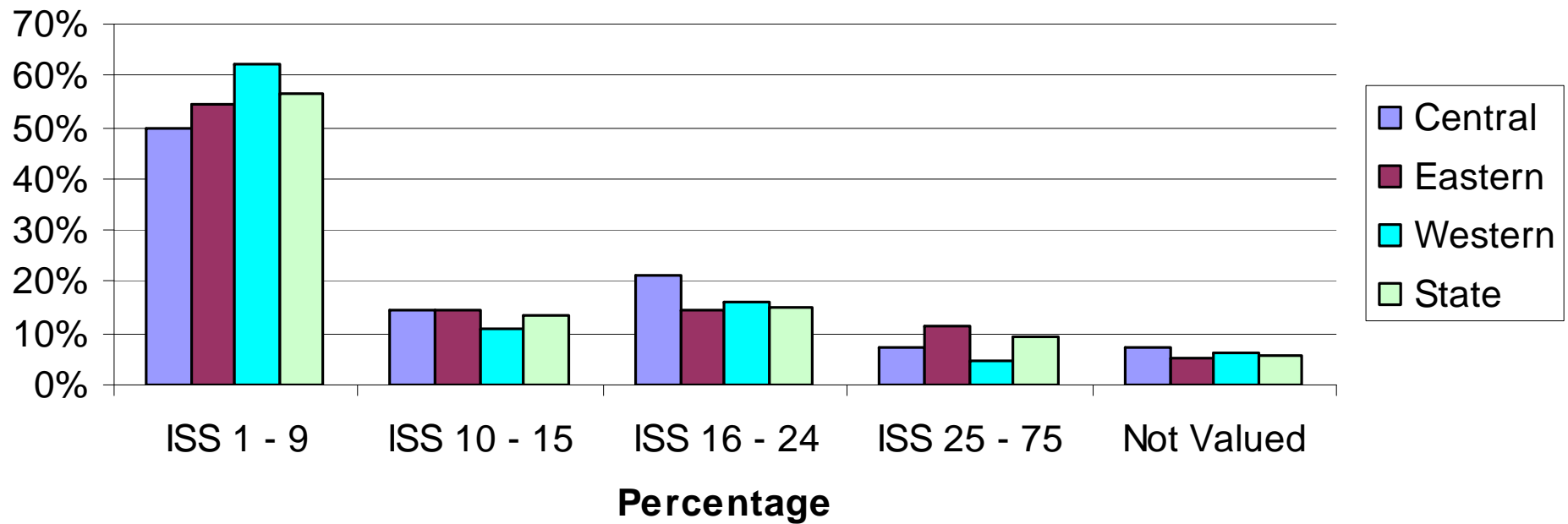
Location by Region Comparison



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MT STCC 1st and 2nd Qtrs 2008

Regional Patients by ISS

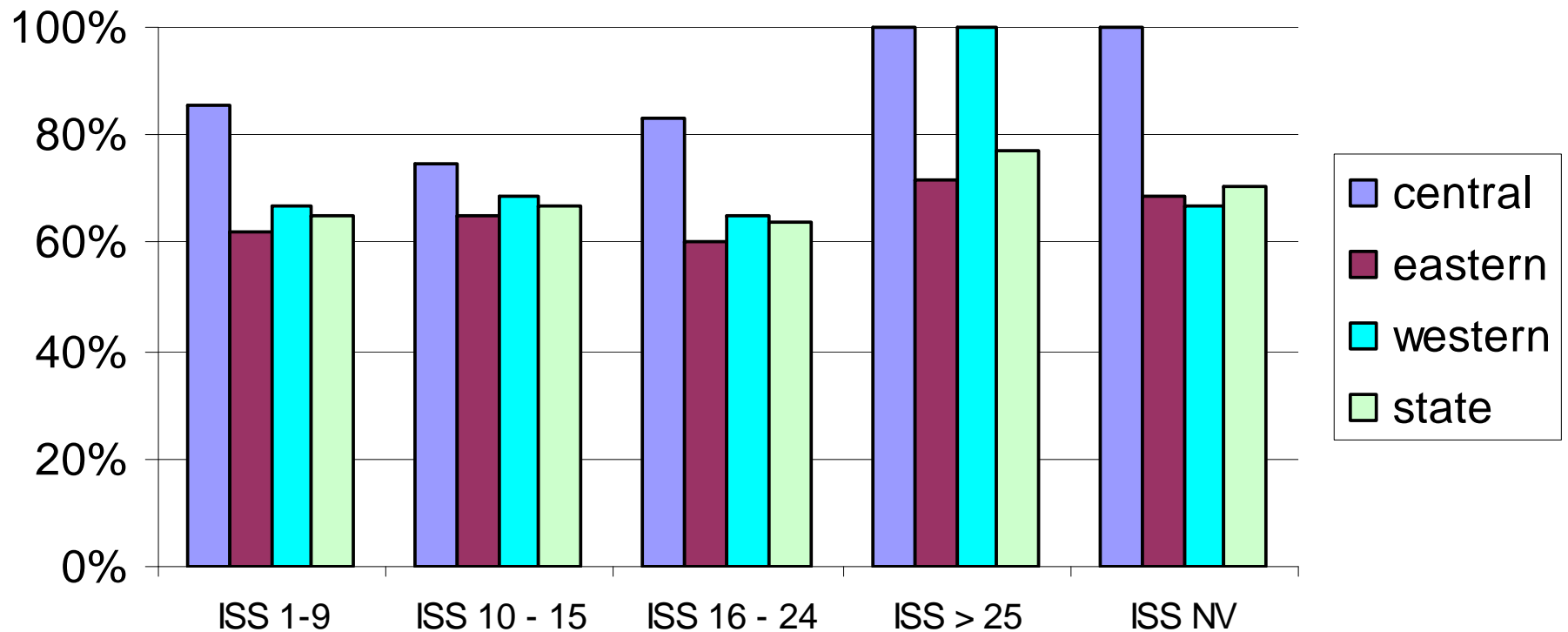


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MT STCC 1st and 2nd Qtrs 2008

Trauma Team Activation (Full or Partial) by ISS

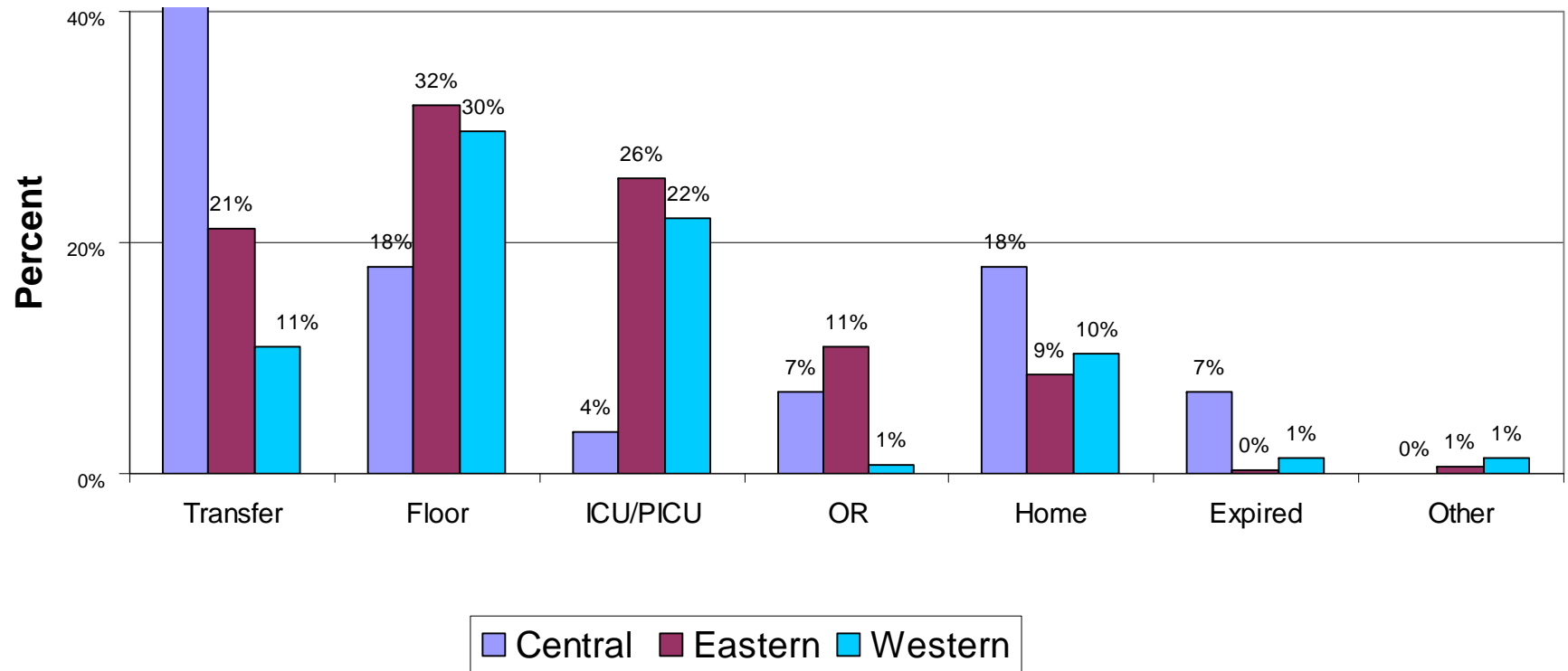
Trauma Team Activations



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MT STCC 1st and 2nd Qtrs 2008

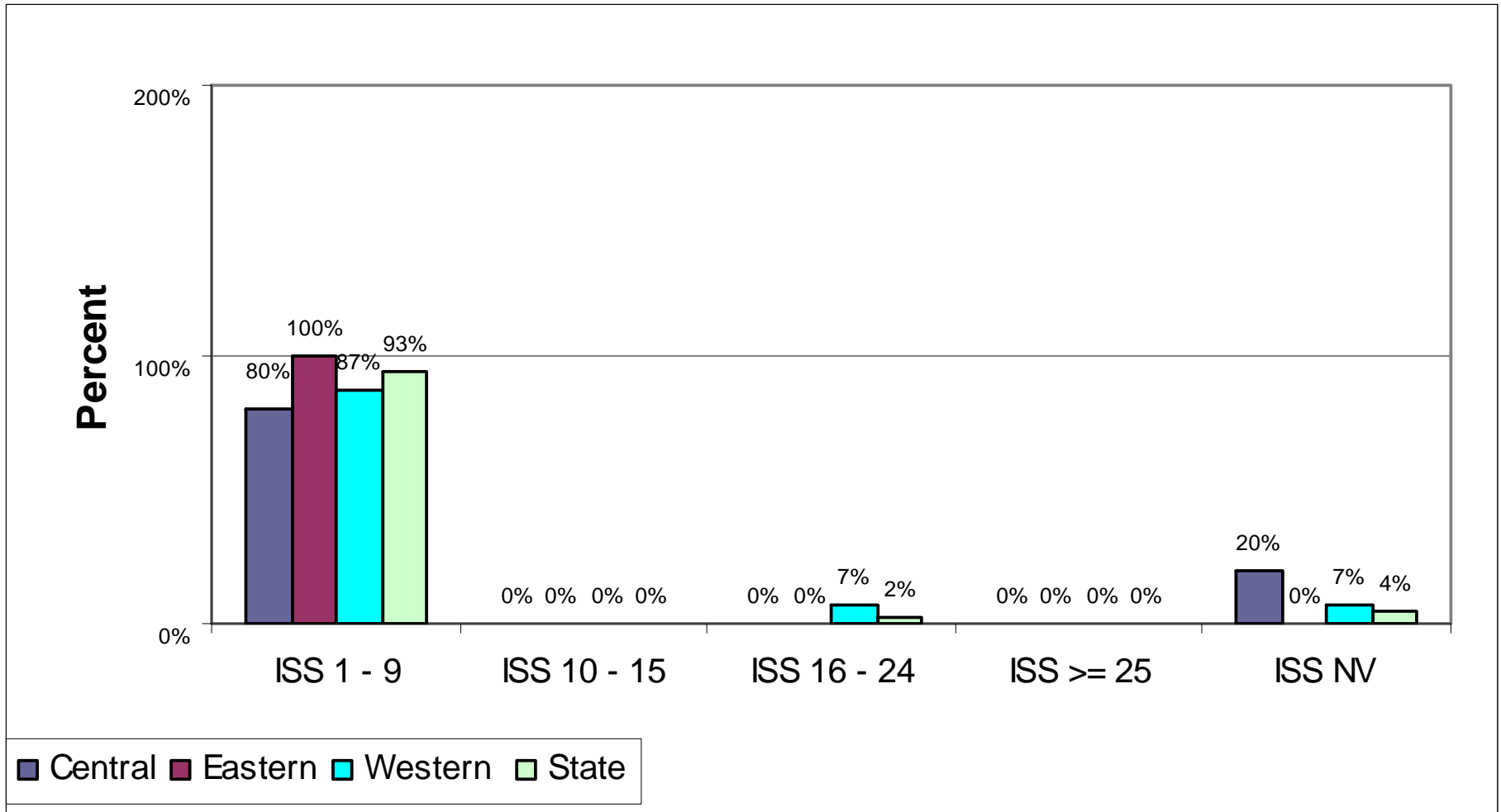
ED Disposition



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MT STCC 1st and 2nd Qtrs 2008

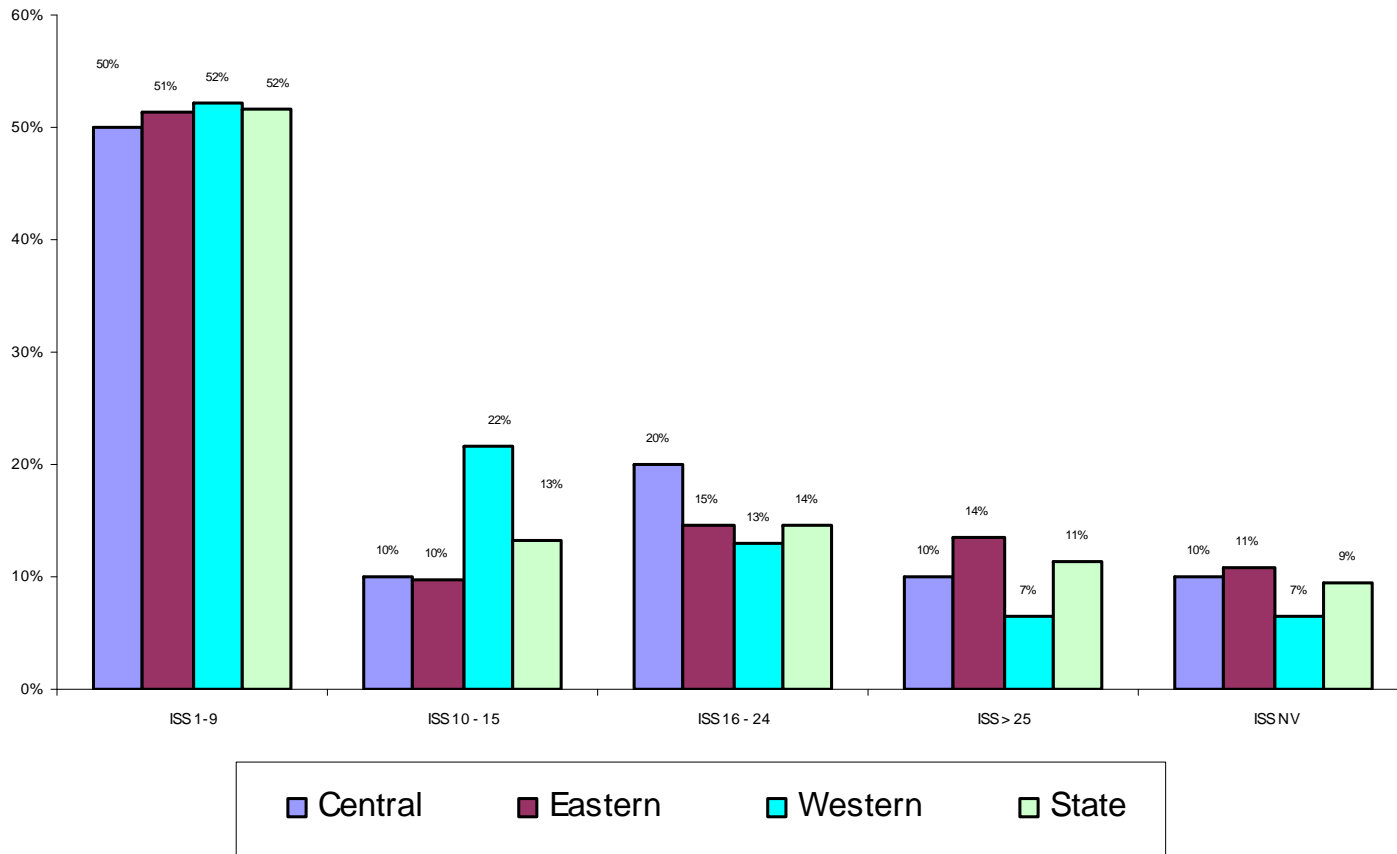
ED to Home by ISS



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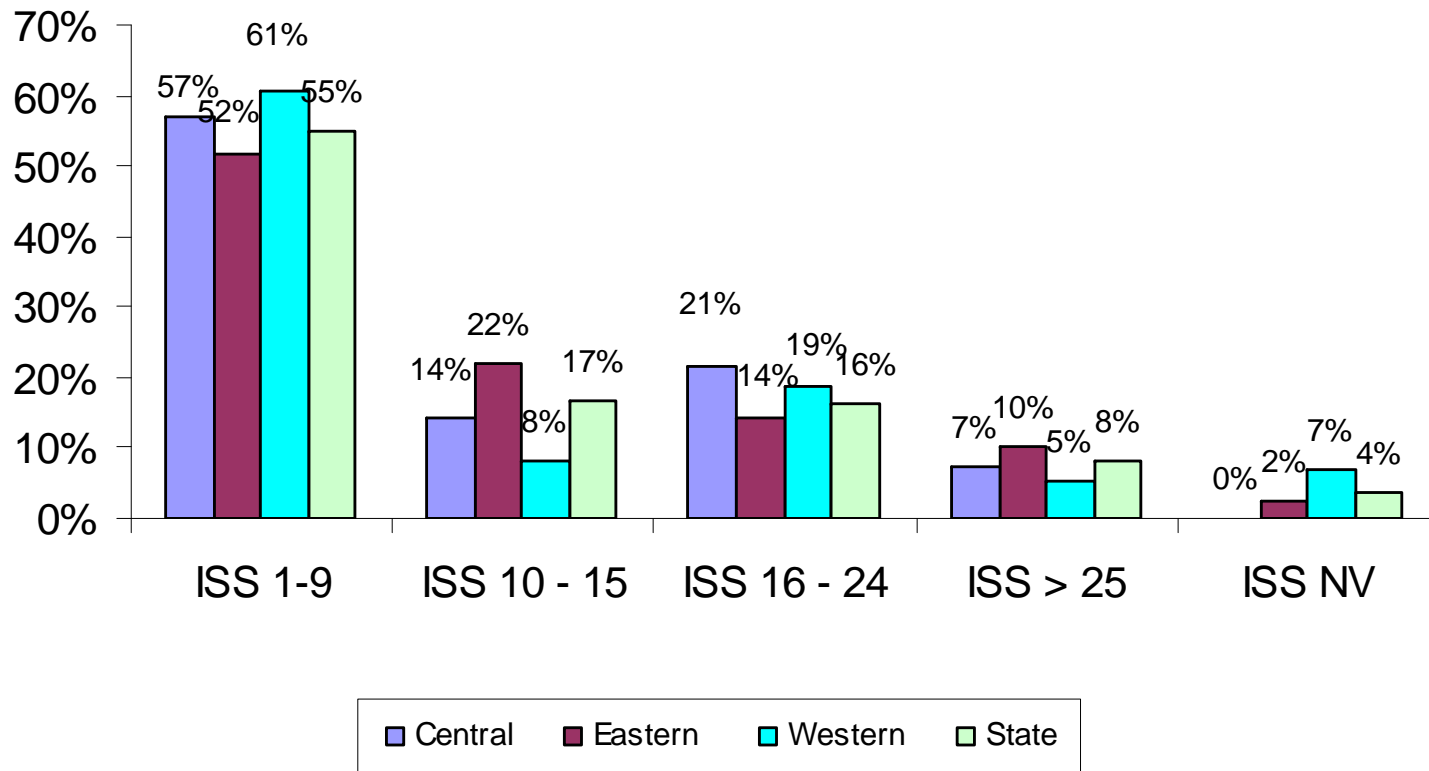
STATE ED LOS: Less than 120 Minutes



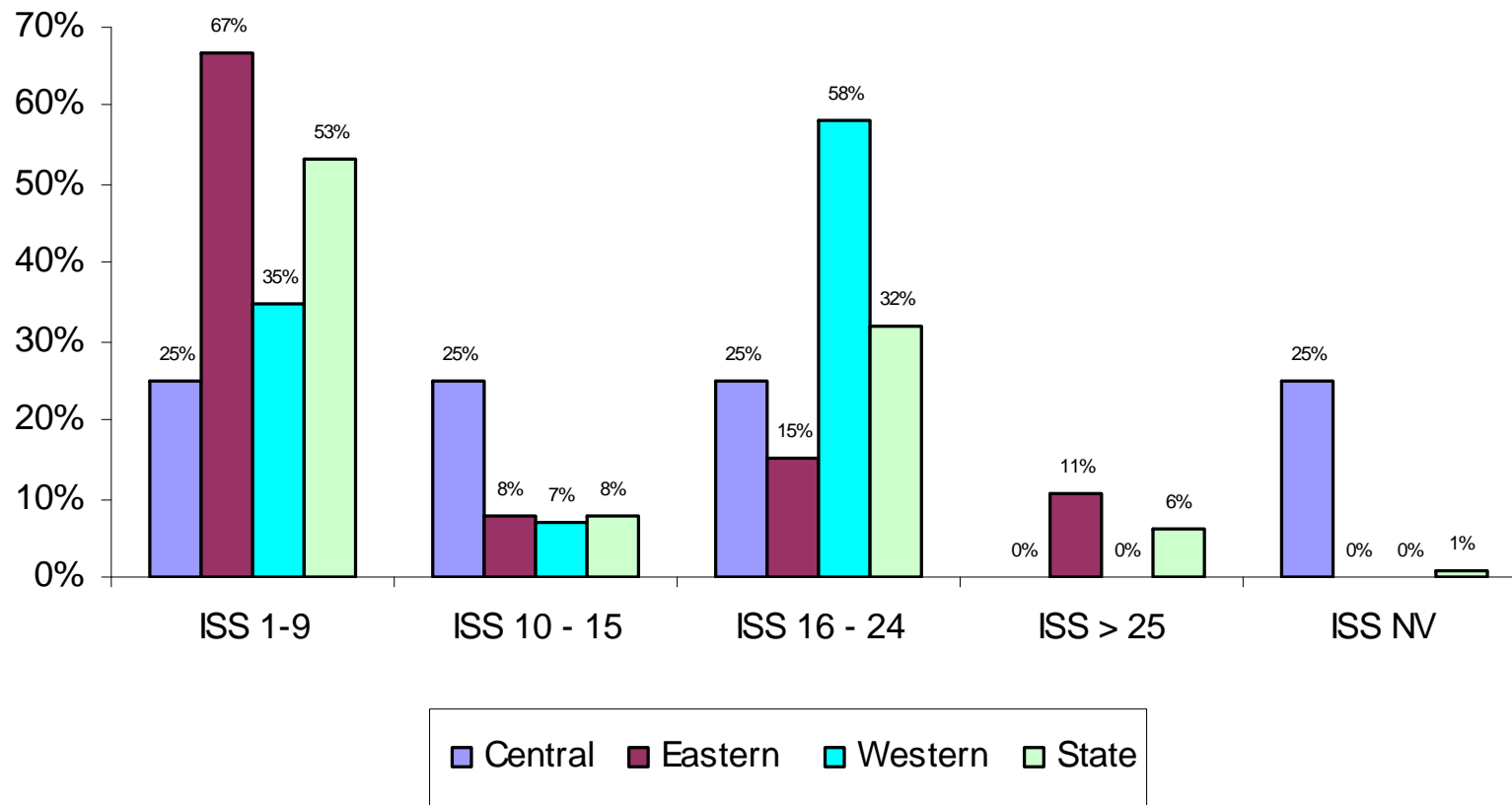
N = 474

MT STCC 1st and 2nd Qtrs 2008

STATE
ED LOS: 120 - 239 Minutes



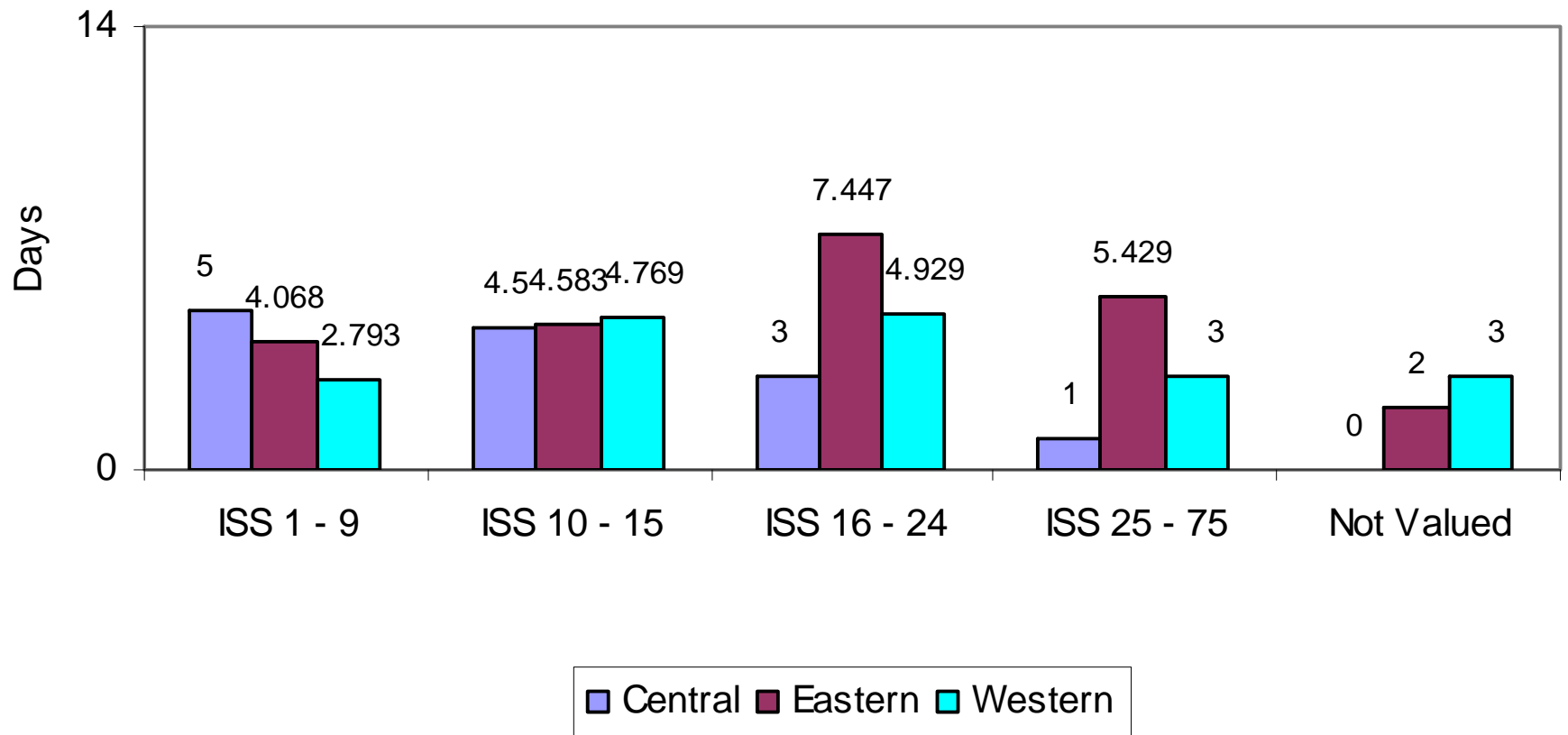
STATE ED LOS: >239 Minutes



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MT STCC 1st and 2nd Qtrs 2008

Avg. Hospital LOS by Region

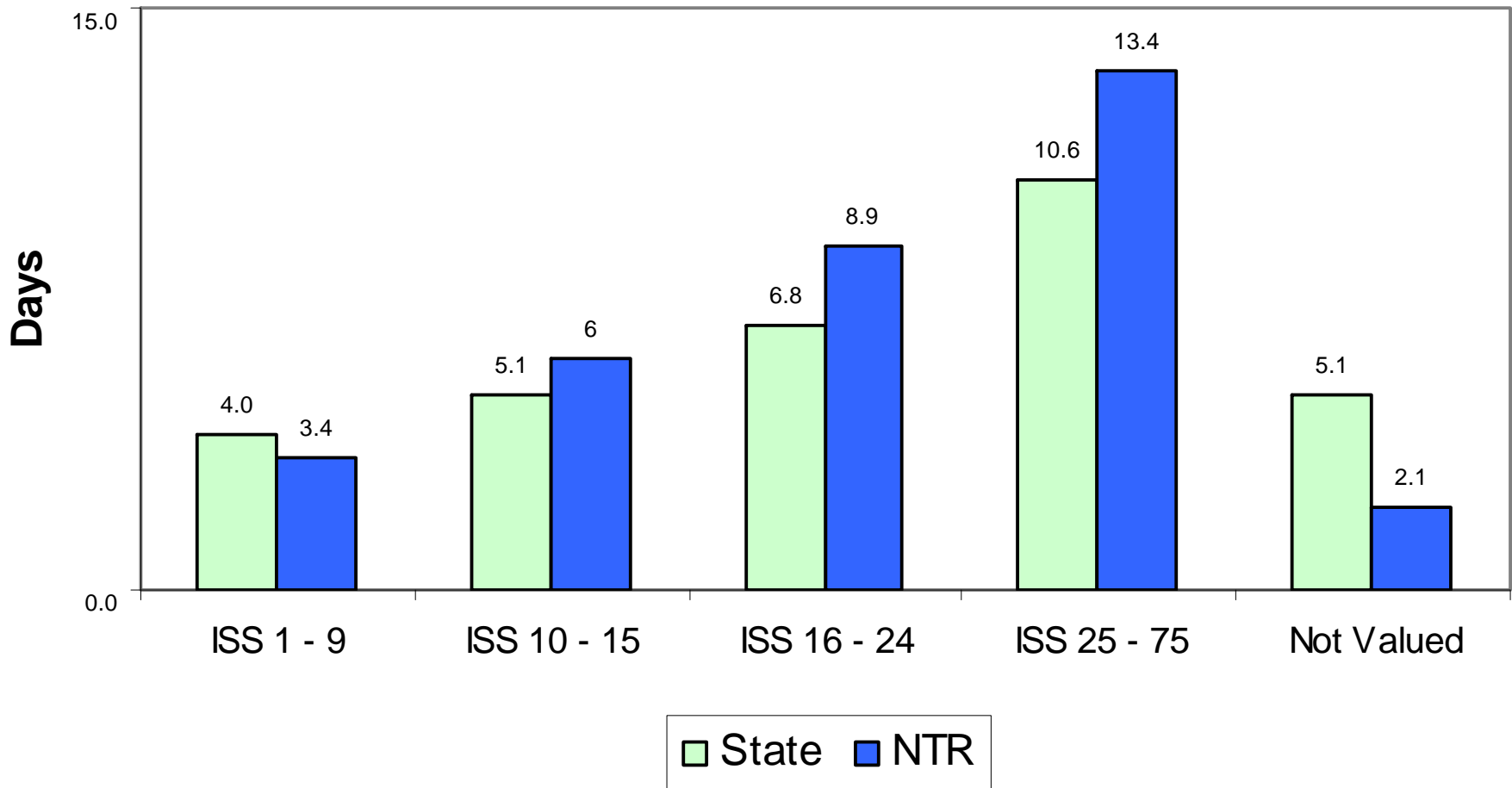


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Avg. Hospital LOS

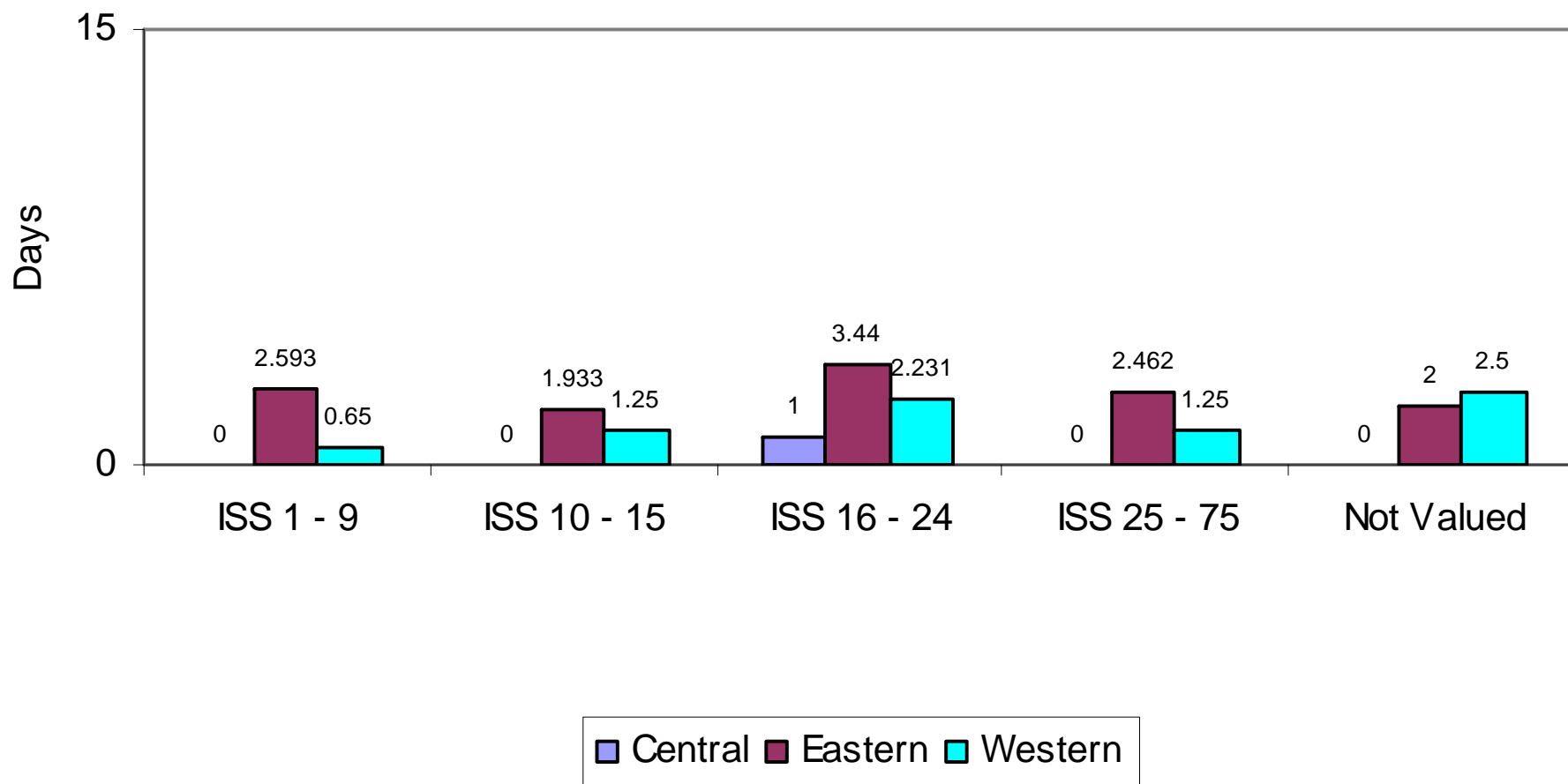
(comparing State and National Trauma Registry)



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Avg. ICU LOS by Region

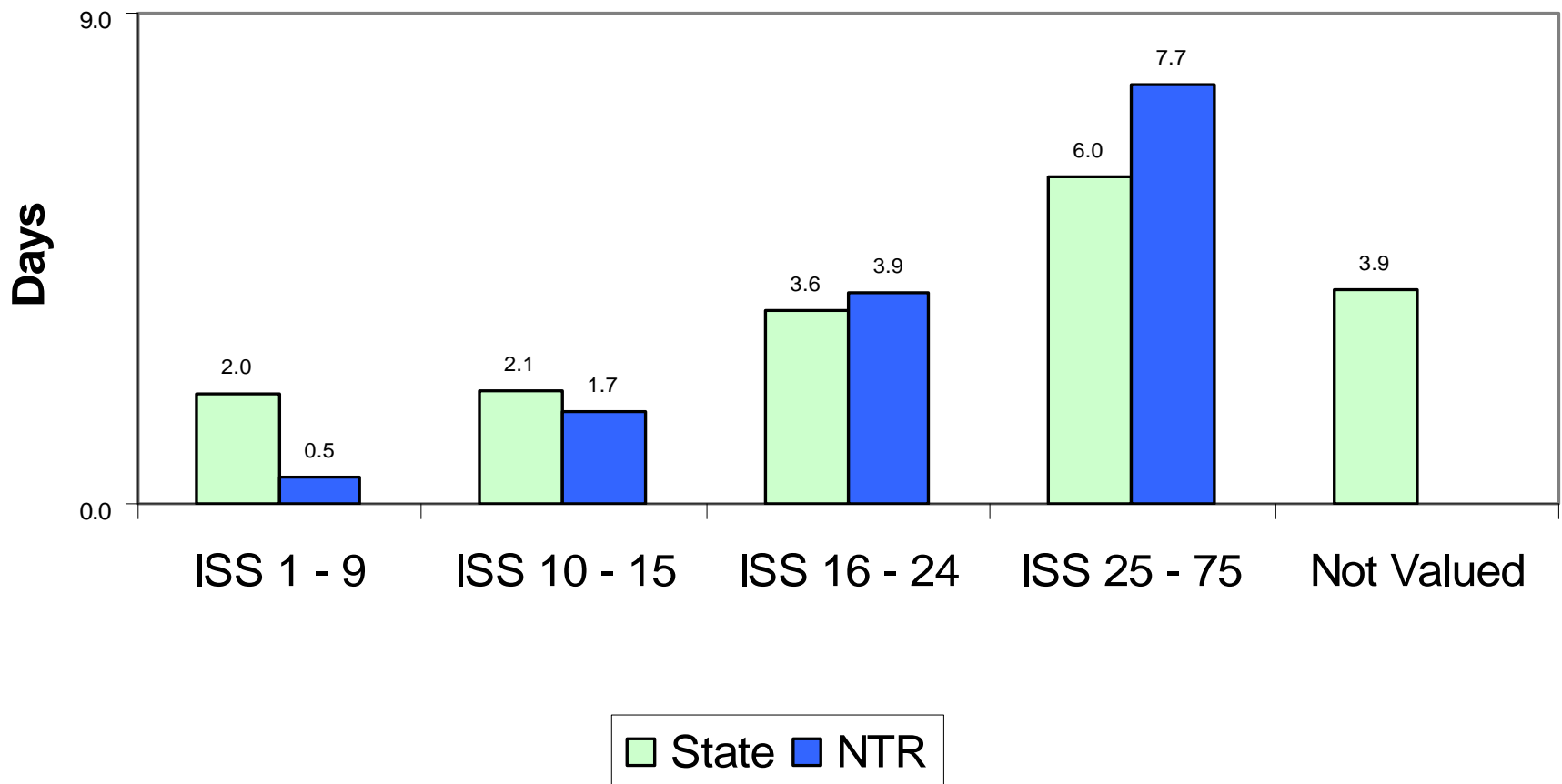


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Avg. ICU LOS

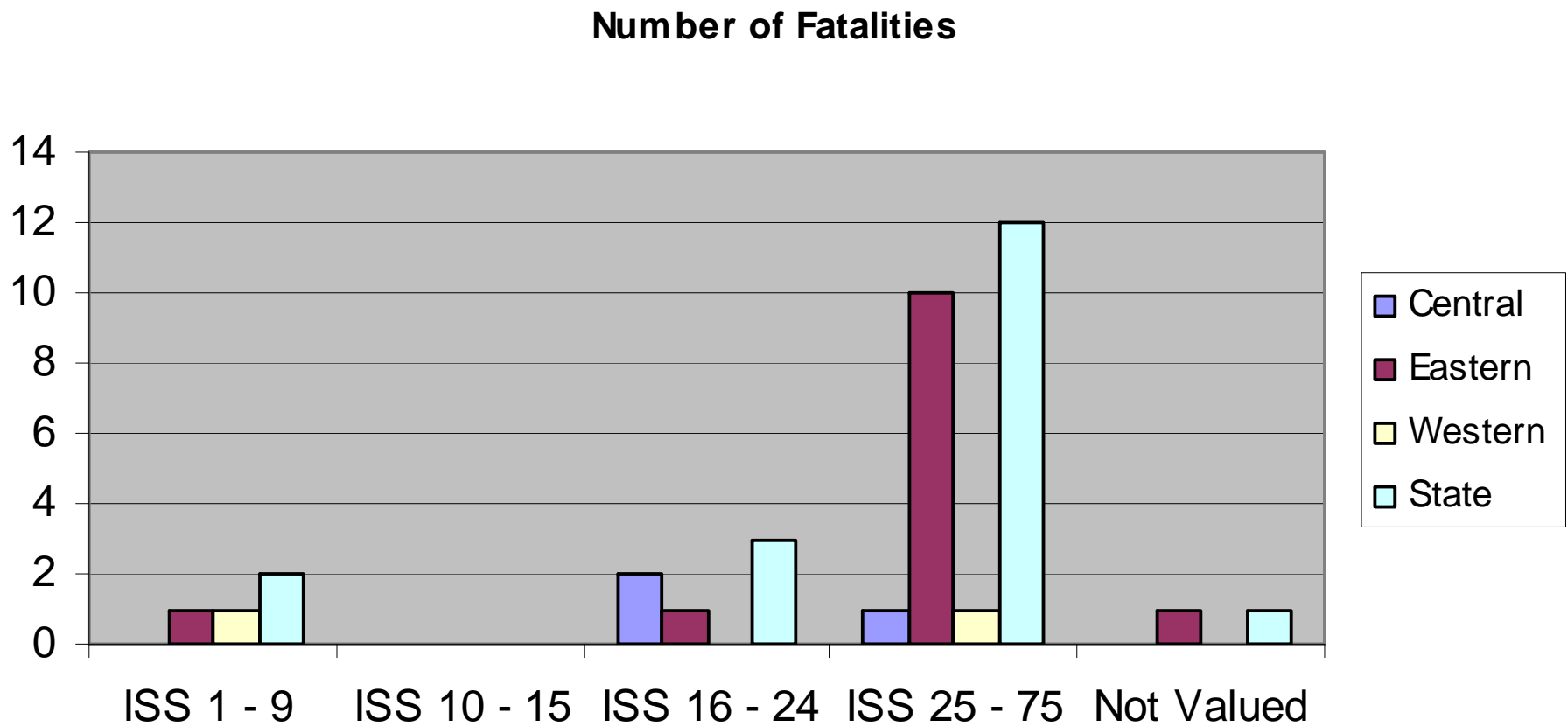
(comparing State and National Trauma Registry)



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Fatalities by ISS



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Fatalities (no DOS)

Injury Causes Of Fatalities

N = 20 YTD

Falls – 8 (40%)

MVC – 5 (25%)

SI GSW - 5

Pedestrian – 2

MCC - 1

GSW/LE- 1

Drown/anoxia - 1

Fatalities

MVC : 5

+ Restraint
1

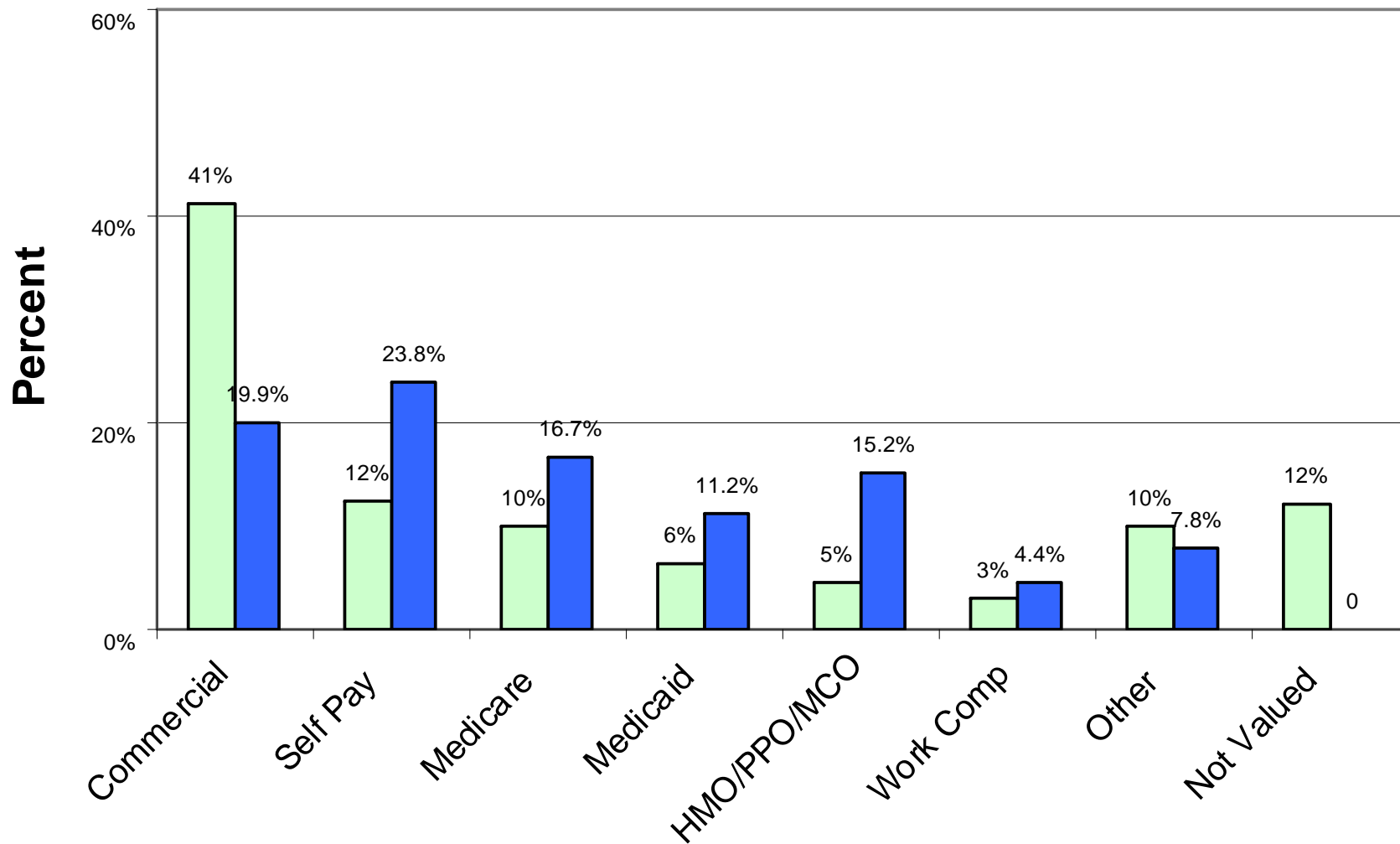
- Restraint
4

MC : 1

+ H

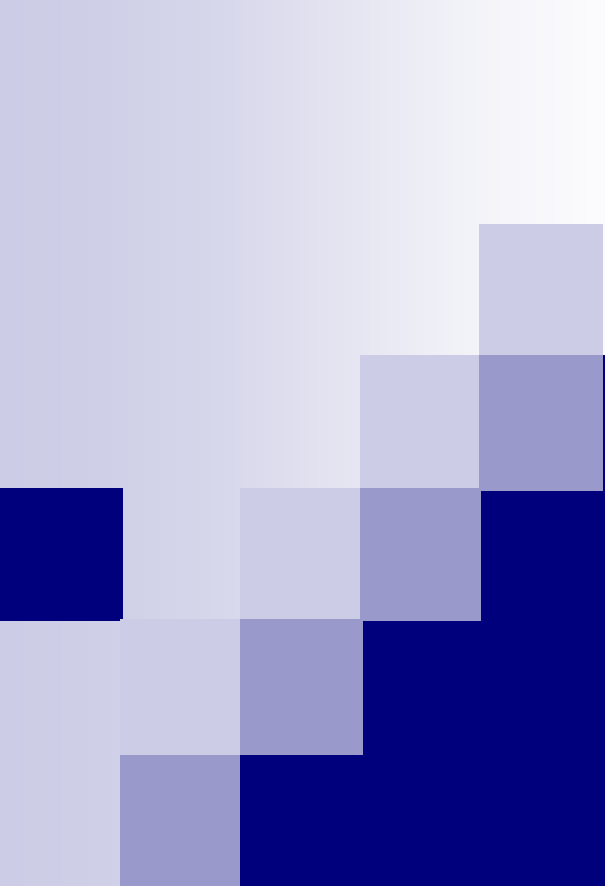
- H
1

Payors



State NTDB

MT STCC 1st and 2nd Qtrs 2008



Performance Indicators

1st – 3rd Quarters 2007

January 1 – June 30, 2007

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MT STCC 1st , 2nd Qtrs 2008



PI # 1: Trauma Patients Transported per EMS Without Trip Report in the Medical Record

**Prehospital Transport: YTD 335 (71%)
(07: 72%)**

**Report available: YTD 225 (67%),
(07: 74%)**

**No Report: YTD 404 (29%), (07:25%)
ND: 14 (5%)**



PI # 1 cont'd

Ambulance Transports YTD

Central: 25 (89%)

+ Report: 25 (100%), No Report 5

Eastern: 203 (67%)

+ Report: 130 (64%), No Report: 71 (35%), ND 2

Western: 107 (74%)

+ Report: 70 (65%), No Report 25 (23%), ND 12

PI # 1

- **Incorporate EMS trip report tracking w/PIN network PI activity**
- **Refer to EMS Task Force for continuity of PI efforts**
- **Utilize “reinforcement/reminder” forums: TEAM Courses, RTAC meetings, feedback provided to CAH paper TR abstract users**

PI # 2: Transferred Trauma Patients w/ISS ≥ 15 & time at first facility ≥ 6 hrs

**2 YTD transfers w/ISS ≥ 15 & time @ facility ≥ 6
hrs**

Avg. hours = 6.6 hrs

Both transferred from ED; Avg time; 6.6hr

**PI #3: Trauma patients with
ISS \geq 15 and ED time \geq 2 hours**

Level II facilities excluded

YTD: 32 patients

- ☐ **YTD Average ED time: 204 min (3.40hr)**
- ☐ **YTD Average ISS: 21**
- ☐ **Now looking at number of patients of facilities, mean & range of that facility & dispositions**

PI # 4:

**Trauma patients who died
with an ISS ≤ 15**

N= 2 YTD

1 low ISS w/+comorbidities

**1 “undercoded” due to lack of
complete Dx of injuries in ED**



ISS 9; Fall in BR- 84m

Laminar fx C1, pedicle fx C2

+co-morb CHF, HTN, COPD +Coumadin

Died next day ICU

**ISS 1; GSW head “other & unspecified open
wound of head” died ED**

**PI # 5: Patients w/GCS ≤ 9 & not
intubated**

Patients NOT transferred YTD:1

1st quarter: 1

**#1 22F, MVC unsuccessful resuscitation X 7”
no ET**

2nd quarter: 0

PI # 5: Patients w/GCS ≤ 9 & not intubated

Transferred Patients

YTD: 1

1st quarter: 1

2yr old fall, +LOC

Scene/1st ED GCS UNK

2nd ED GCS 9, head CT negative

Rapid clearing of GCS to 15 by ICU admission
(90" 2nd ED)

Dism to home after 2 hospital days, 1 ICU day,
Concussion, brief LOC